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File: USPT

Aug 3, 1999

US-PAT-NO: 5933498

DOCUMENT-IDENTIFIER: US 5933498 A

TITLE: System for controlling access and distribution of digital property

DATE-ISSUED: August 3, 1999

## INVENTOR-INFORMATION:

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Abrams; Marshall D.	Silver Spring	MD		

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NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
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APPL-NO: 08/ 968887 [PALM]

DATE FILED: November 5, 1997

## PARENT-CASE:

This is a continuation of application Ser. No. 08/584,493, filed on Jan. 11, 1996, which was abandoned upon the filing hereof.

INT-CL: [06] H04 L 9/00

US-CL-ISSUED: 380/4; 380/9, 380/23, 380/25, 380/49, 380/50

US-CL-CURRENT: 705/54

FIELD-OF-SEARCH: 380/4, 380/9, 380/21, 380/23, 380/24, 380/25, 380/49, 380/50, 380/51, 380/55

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	3504132	March 1970	Wallace, Jr.	
<input type="checkbox"/>	3764742	October 1973	Abbott et al.	
<input type="checkbox"/>	3798359	March 1974	Feistel	
<input type="checkbox"/>	3878331	April 1975	Morgan et al.	
<input type="checkbox"/>	3906460	September 1975	Halpern	
<input type="checkbox"/>	3911216	October 1975	Bartek et al.	
<input type="checkbox"/>	3944976	March 1976	France	

<input type="checkbox"/>	<u>3958081</u>	1976	Ehrsam et al.	
<input type="checkbox"/>	<u>3996449</u>	December 1976	Attanasio et al.	
<input type="checkbox"/>	<u>4004089</u>	January 1977	Richard et al.	
<input type="checkbox"/>	<u>4028678</u>	June 1977	Moran	
<input type="checkbox"/>	<u>4037215</u>	July 1977	Birney et al.	
<input type="checkbox"/>	<u>4074066</u>	February 1978	Ehrsam et al.	
<input type="checkbox"/>	<u>4087856</u>	May 1978	Attanasio	
<input type="checkbox"/>	<u>4120030</u>	October 1978	Johnstone	
<input type="checkbox"/>	<u>4168396</u>	September 1979	Best	
<input type="checkbox"/>	<u>4183085</u>	January 1980	Roberts et al.	
<input type="checkbox"/>	<u>4193131</u>	March 1980	Lennon et al.	
<input type="checkbox"/>	<u>4206315</u>	June 1980	Matyas et al.	
<input type="checkbox"/>	<u>4238854</u>	December 1980	Ehrsam et al.	
<input type="checkbox"/>	<u>4246638</u>	January 1981	Thomas	
<input type="checkbox"/>	<u>4264782</u>	April 1981	Konheim	
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<input type="checkbox"/>	<u>4454594</u>	June 1984	Heffron et al.	
<input type="checkbox"/>	<u>4458315</u>	July 1984	Uchenick	
<input type="checkbox"/>	<u>4465901</u>	August 1984	Best	
<input type="checkbox"/>	<u>4471163</u>	September 1984	Donald et al.	
<input type="checkbox"/>	<u>4529870</u>	July 1985	Chaum	235/380
<input type="checkbox"/>	<u>4558176</u>	December 1985	Arnold et al.	
<input type="checkbox"/>	<u>4646234</u>	February 1987	Tolman et al.	380/4
<input type="checkbox"/>	<u>4658093</u>	April 1987	Hellman	380/25
<input type="checkbox"/>	<u>4757533</u>	July 1988	Allen et al.	380/25
<input type="checkbox"/>	<u>4796181</u>	January 1989	Wiedemer	380/4 X
<input type="checkbox"/>	<u>4827508</u>	May 1989	Shear	
<input type="checkbox"/>	<u>4924378</u>	May 1990	Hershey et al.	
<input type="checkbox"/>	<u>4932054</u>	June 1990	Chou et al.	380/4
<input type="checkbox"/>	<u>4937863</u>	June 1990	Robert et al.	380/4
<input type="checkbox"/>	<u>4953209</u>	August 1990	Ryder, Sr. et al.	380/23
<input type="checkbox"/>	<u>4961142</u>	October 1990	Elliott et al.	

<input type="checkbox"/>	4977594	September 1990	Shear	380/4
<input type="checkbox"/>	5010571	April 1991	Katznelson	380/4
<input type="checkbox"/>	5014234	May 1991	Edwards, Jr.	
<input type="checkbox"/>	5023907	June 1991	Johnson et al.	380/4
<input type="checkbox"/>	5027396	June 1991	Platteter et al.	
<input type="checkbox"/>	5047928	September 1991	Wiedemer	
<input type="checkbox"/>	5050213	September 1991	Shear	
<input type="checkbox"/>	5058162	October 1991	Santon et al.	
<input type="checkbox"/>	5058164	October 1991	Elmer et al.	380/50
<input type="checkbox"/>	5103476	April 1992	Waite et al.	380/4
<input type="checkbox"/>	5113519	May 1992	Johnson et al.	
<input type="checkbox"/>	5146499	September 1992	Geffrotin	380/23
<input type="checkbox"/>	5159182	October 1992	Eisele	235/492
<input type="checkbox"/>	5191193	March 1993	LeRoux	235/379
<input type="checkbox"/>	5204897	April 1993	Wyman	380/4
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<input type="checkbox"/>	5235642	August 1993	Wobber et al.	
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<input type="checkbox"/>	5260999	November 1993	Wyman	
<input type="checkbox"/>	5263157	November 1993	Janis	
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<input type="checkbox"/>	5291596	March 1994	Mita	
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<input type="checkbox"/>	5337357	August 1994	Chou et al.	
<input type="checkbox"/>	5339091	August 1994	Yamazaki et al.	
<input type="checkbox"/>	5345588	September 1994	Greenwood et al.	
<input type="checkbox"/>	5347578	September 1994	Duxbury	
<input type="checkbox"/>	5369702	November 1994	Shanton	
<input type="checkbox"/>	5386469	January 1995	Yearsley et al.	
<input type="checkbox"/>	5386471	January 1995	Bianco	
<input type="checkbox"/>	5388156	February 1995	Blackledge, Jr. et al.	
<input type="checkbox"/>	5392351	February 1995	Hasebe et al.	
<input type="checkbox"/>	5394469	February 1995	Nagel et al.	
<input type="checkbox"/>	5400403	March 1995	Fahn et al.	
<input type="checkbox"/>	5410598	April 1995	Shear	
<input type="checkbox"/>	5432849	July 1995	Johnson et al.	
<input type="checkbox"/>	5438508	August 1995	Wyman	

<input type="checkbox"/>	5442541	August 1995	Hube et al.	
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ART-UNIT: 276

PRIMARY-EXAMINER: Gregory; Bernarr E.

ATTY-AGENT-FIRM: Pillsbury Madison & Sutro LLP

#### ABSTRACT:

A method and device are provided for controlling access to data. Portions of the data are protected and rules concerning access rights to the data are determined. Access to the protected portions of the data is prevented, other than in a non-useable form; and users are provided access to the data only in accordance with the rules as enforced by a mechanism protected by tamper detection. A method is also provided for distributing data for subsequent controlled use of those data. The method includes protecting portions of the data; preventing access to the protected portions of the data other than in a non-useable form; determining rules concerning access rights to the data; protecting the rules; and providing a package including: the protected portions of the data and the protected rules. A user is provided controlled access to the distributed data only in accordance with the rules as enforced by a mechanism protected by tamper protection. A device is provided for controlling access to data having protected data portions and rules concerning access rights to the data. The device includes means for storing the rules; and means for accessing the protected data portions only in accordance with the rules, whereby user access to the protected data portions is permitted only if the rules indicate that the user is allowed to access the portions of the data.

88 Claims, 35 Drawing figures